

205
COC #227

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132
20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711

(425) 420-9200 FAX 420-9210
(509) 924-9200 924-9290
(503) 906-9200 FAX 906-9210
(541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: M107059 M107060

CLIENT: BRISTOL
REPORT TO: ANNE KRANAWETTER
ADDRESS: AMCHITKA, AK
PHONE: 907-770-0974 FAX: 770-0975
PROJECT NAME: 21090
PROJECT NUMBER: AMCHITKA
SAMPLED BY: 21090

INVOICE TO: BRISTOL
P.O. NUMBER: 21090

TURNAROUND REQUEST in Business Days*

Organic & Inorganic Analyses
10 7 5 4 3 2 1 <1

STD. Petroleum Hydrocarbon Analyses
5 4 3 2 1 <1

STD. Please Specify
OTHER

*Turnaround Requests less than standard may incur Rush Charges.

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.																
2.	01AMLA02X 7/31/01 1325	X	X													
3.	01AMLA07SL 7/31/01 1335	X	X													
4.	01AMLA16SL 7/31/01 1345	X	X													
5.	01AMLA18SL 7/31/01 1420	X	X													
6.	01AMLA19SL 7/31/01 1400	X	X													
7.																
8.																
9.																
10.																
11.																
12.																
13.																
14.																
15.																

MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
S	2		
S	2		
S	2		
S	2		
S	2		

RELINQUISHED BY: Anne Kranawetter DATE: 7/31/01 RECEIVED BY: Matt Carnahan DATE: 7/31/01
PRINT NAME: Anne Kranawetter FIRM: BRISTOL TIME: 15:18 PRINT NAME: Matt Carnahan FIRM: NCA TIME: 15:18
RELINQUISHED BY: Anne Kranawetter DATE: 7/31/01 RECEIVED BY: Matt Carnahan DATE: 7/31/01
PRINT NAME: Anne Kranawetter FIRM: BRISTOL TIME: 15:18 PRINT NAME: Matt Carnahan FIRM: NCA TIME: 15:18



CHAIN OF CUSTODY REPORT

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(503) 906-9200 FAX 906-9210
(541) 383-9310 FAX 382-7588

Work Order #: M107057

CLIENT: BRISTOL			INVOICE TO: BRISTOL										TURNAROUND REQUEST in Business Days*						
REPORT TO: ANNE KRANAWETTER													Organic & Inorganic Analyses						
ADDRESS: AMCHITKA, AK													10 7 5 4 3 2 1 <1						
PHONE: 907-770-0974 FAX: 770-0975			P.O. NUMBER: 21090										STD. Petroleum Hydrocarbon Analyses						
PROJECT NAME: AMCHITKA			REQUESTED ANALYSES										5 4 3 2 1 <1						
PROJECT NUMBER: 21090													STD. OTHER Please Specify						
SAMPLED BY: KLP/ARX													*Turnaround Requests less than standard may incur Rush Charges.						
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME		PCBs	Metals										MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID	
1. OIA																			
2. OIA MLA01SL		7/29/01 1510		X	X										S	2			
3. OIA MLA06SL		7/29/01 1520		X	X										S	2			
4. OIA MLA15SL		7/29/01 1530		X	X										S	2			
5. OIA MLA10SL		7/29/01 1541		X	X										S	2			
6. OIA MLA41SL		7/29/01 1547		X	X										S	2			
7. OIA MLA24SL		7/29/01 1605		X	X										S	2			
8.																			
9.																			
10.																			
11.																			
12.																			
13.																			
14.																			
15.																			
RELINQUISHED BY: KLP			DATE: 7/29/01			RECEIVED BY: Craig Briddle			DATE: 7/29/01										
PRINT NAME: Kyle Petersen			FIRM: BRISTOL			PRINT NAME: Craig Briddle			FIRM: NCA										
RELINQUISHED BY:			DATE:			RECEIVED BY:			DATE:										
PRINT NAME:			FIRM:			PRINT NAME:			FIRM:										
ADDITIONAL REMARKS: Metals Analysis includes Arsenic, Cadmium, Chromium, Pb, Mercury, Selenium, & Silver			TEMP: 8.7°C			PAGE 1 OF 1													

COC# 210

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(503) 906-9200 FAX 906-9210
(541) 383-9310 FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #: **M107061**

CLIENT: BRISTOL				INVOICE TO: BRISTOL				TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">10</div> <div style="border: 1px solid black; padding: 2px;">7</div> <div style="border: 1px solid black; padding: 2px;">5</div> <div style="border: 1px solid black; padding: 2px;">4</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;"><1</div> </div> STD. Petroleum Hydrocarbon Analyses <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">5</div> <div style="border: 1px solid black; padding: 2px;">4</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;"><1</div> </div> STD. Please Specify <div style="border: 1px solid black; padding: 2px; display: inline-block;">OTHER</div>									
REPORT TO: ANNE KRANAWETTER				P.O. NUMBER: 21090													
ADDRESS: AMCHITKA, AK																	
PHONE: 907-770-0974 FAX: 770-0975																	
PROJECT NAME: AMCHITKA				REQUESTED ANALYSES													
PROJECT NUMBER: 21090																	
SAMPLED BY: KLP/ARK																	
CLIENT SAMPLE IDENTIFICATION		SAMPLING DATE/TIME		PCBs	Metals									MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
1. 01AMLA08SL		7/31/01 1808		X	X									S	2		
2. 01AMLA11SL		7/31/01 1818		X	X									S	2		
3. 01AMLA12SL		7/31/01 1850		X	X									S	2		
4. 01AMLA17SL		7/31/01 1830		X	X									S	2		
5. 01AMLA28SL		7/31/01 1838		X	X									S	2		
6.																	
7.																	
8.																	
9.																	
10.																	
11.																	
12.																	
13.																	
14.																	
15.																	

RELINQUISHED BY: W. Le Petersen		DATE: 7/31/01		RECEIVED BY: M. Farooqi		DATE: 7-31-01	
PRINT NAME: Kyle Petersen		TIME: 1926		PRINT NAME: MUSTAHSAN R. FAROOQI		TIME: 7-27pm	
RELINQUISHED BY:		DATE:		RECEIVED BY:		DATE:	
PRINT NAME:		TIME:		PRINT NAME:		TIME:	
ADDITIONAL REMARKS:				TEMP:		PAGE 1 OF 1	

COC# 211

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132
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(541) 388-9310
FAX 420-9210
FAX 924-9290
FAX 906-9210
FAX 382-7588

CHAIN OF CUSTODY REPORT

Work Order #:

8/11/01
M107062 M108001

CLIENT: BRISTOL		INVOICE TO: BRISTOL										TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">10</div> <div style="border: 1px solid black; padding: 2px;">7</div> <div style="border: 1px solid black; padding: 2px;">5</div> <div style="border: 1px solid black; padding: 2px;">4</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;"><1</div> </div> STD. Petroleum Hydrocarbon Analyses <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px;">5</div> <div style="border: 1px solid black; padding: 2px;">4</div> <div style="border: 1px solid black; padding: 2px;">3</div> <div style="border: 1px solid black; padding: 2px;">2</div> <div style="border: 1px solid black; padding: 2px;">1</div> <div style="border: 1px solid black; padding: 2px;"><1</div> </div> STD. Please Specify <div style="border: 1px solid black; padding: 2px; display: inline-block;">OTHER</div>					
REPORT TO: ANNE KRANAWETTER		P.O. NUMBER: 21090															
ADDRESS: AMCHITKA, AK																	
PHONE: 907-770-0974 FAX: 770-0975																	
PROJECT NAME: AMCHITKA		REQUESTED ANALYSES															
PROJECT NUMBER: 21090																	
SAMPLED BY: ARK / KLP																	
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	PCBs	Metals											MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID
1. 01AMLA23SL	8/11/01 1400	X	X											S	2		
2. 01AMLA25SL	8/11/01 1350	X	X											S	2	"25-es-el"	
3. 01AMLA33SL	8/11/01 1320	X	X											S	2		
4. 01AMLA34SL	8/11/01 1330	X	X											S	2		
5. 01AMLA13SL	8/11/01 1412	X	X											S	2		
6. 01AMA KLP																	
7. 01AMLA03SL	8/11/01 1426	X	X											S	2		
8. 01AMLA14SL	8/11/01 1405	X	X											S	2		
9. 01AMLA20SL	8/11/01 1340	X	X											S	2		
10.																	
11.																	
12.																	
13.																	
14.																	
15.																	

RELINQUISHED BY: Kyle Petersen	FIRM: BRISTOL	DATE: 8/11/01	TIME: 1523	RECEIVED BY: Craig Brader	FIRM: NCA	DATE: 8/11/01	TIME: 1530
RELINQUISHED BY:	FIRM:	DATE:	TIME:	RECEIVED BY:	FIRM:	DATE:	TIME:
PRINT NAME:	FIRM:	DATE:	TIME:	PRINT NAME:	FIRM:	DATE:	TIME:

ADDITIONAL REMARKS:
COC REV 3/99

TEMP: 9.8°C

PAGE 1 OF 1



FAX 382-7588

Work Order #: M109005 P1H0140

PAGE 1 OF 1



Seattle 117' North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425. 200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7588

10 November, 2001

Steve Johnson
Bristol Environmental & Engineering
2000 W. International Airport Rd. #C-1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are **amended** results of analyses for samples received by the laboratory on 08/06/01 11:00. If you have any questions concerning this report, please feel free to contact me. These results supercede all previous results reported by the laboratory.

Sincerely,

Jerry Orlando
Project Manager/QA

Work Orders included in this report:
P1H0140

Bristol Environmental & Engineering
 2000 W. International Airport Rd. #C-1
 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson

Amended Report
 Issued: 11/07/01 13:03

ANALYTICAL REPORT FOR SAMPLES - Amended

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMLA01SL	PIH0140-01	Soil	07/29/01 15:10	08/06/01 11:00
01AMLA06SL	PIH0140-02	Soil	07/29/01 15:20	08/06/01 11:00
01AMLA15SL	PIH0140-03	Soil	07/29/01 15:30	08/06/01 11:00
01AMLA10SL	PIH0140-04	Soil	07/29/01 15:41	08/06/01 11:00
01AMLA41SL	PIH0140-05	Soil	07/29/01 15:47	08/06/01 11:00
01AMLA24SL	PIH0140-06	Soil	07/29/01 16:05	08/06/01 11:00
01AMLA02SL	PIH0140-07	Soil	07/31/01 13:25	08/06/01 11:00
01AMLA07SL	PIH0140-08	Soil	07/31/01 13:35	08/06/01 11:00
01AMLA16SL	PIH0140-09	Soil	07/31/01 13:45	08/06/01 11:00
01AMLA18SL	PIH0140-10	Soil	07/31/01 14:20	08/06/01 11:00
01AMLA19SL	PIH0140-11	Soil	07/31/01 14:00	08/06/01 11:00
01AMLA08SL	PIH0140-12	Soil	07/31/01 18:08	08/06/01 11:00
01AMLA11SL	PIH0140-13	Soil	07/31/01 18:18	08/06/01 11:00
01AMLA12SL	PIH0140-14	Soil	07/31/01 18:50	08/06/01 11:00
01AMLA17SL	PIH0140-15	Soil	07/31/01 18:30	08/06/01 11:00
01AMLA28SL	PIH0140-16	Soil	07/31/01 18:38	08/06/01 11:00
01AMLA23SL	PIH0140-17	Soil	08/01/01 14:00	08/06/01 11:00
01AMLA25SL	PIH0140-18	Soil	08/01/01 13:50	08/06/01 11:00
01AMLA33SL	PIH0140-19	Soil	08/01/01 13:20	08/06/01 11:00
01AMLA34SL	PIH0140-20	Soil	08/01/01 13:30	08/06/01 11:00
01AMLA13SL	PIH0140-21	Soil	08/01/01 14:12	08/06/01 11:00
01AMLA14SL	PIH0140-22	Soil	08/01/01 14:05	08/06/01 11:00
01AMLA20SL	PIH0140-23	Soil	08/01/01 13:40	08/06/01 11:00
01AMLA29SL	PIH0140-24	Soil	08/02/01 18:10	08/06/01 11:00
01AMLA30SL	PIH0140-25	Soil	08/02/01 18:15	08/06/01 11:00
01AMLA42SL	PIH0140-26	Soil	08/02/01 18:18	08/06/01 11:00
01AMLA26SL	PIH0140-27	Soil	08/02/01 18:25	08/06/01 11:00
01AMLA36SL	PIH0140-28	Soil	08/02/01 18:35	08/06/01 11:00
01AMLA31SL	PIH0140-29	Soil	08/02/01 18:54	08/06/01 11:00

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of
 custody document. This analytical report must be reproduced in its entirety.



Jerry Orlando, Project Manager/QA

North Creek Analytical, Inc.
 Environmental Laboratory Network

Page 1 of 25



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541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
2000 W. International Airport Rd. #C-1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 210901, PO# 21090
Project Manager: Steve Johnson

Amended Report
Issued: 11/07/01 13:03

ANALYTICAL REPORT FOR SAMPLES - Amended

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMLA35SL	PIH0140-30	Soil	08/02/01 18:45	08/06/01 11:00
01AMLA03SL	PIH0140-31	Soil	08/01/01 14:26	08/06/01 11:00

North Creek Analytical - Portland

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Jerry Orlando, Project Manager/QA

North Creek Analytical, Inc.
Environmental Laboratory Network

Page 2 of 25

Bristol Environmental & Engineering
 2000 W. International Airport Rd. #C-1
 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson


Amended Report
 Issued: 11/07/01 13:03

Total Metals per EPA 6000/7000 Series Methods
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA01SL (P1H0140-01) Soil									
						Sampled: 07/29/01 Received: 08/06/01			
Arsenic	2.92	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/09/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	11.1	0.500	"	"	"	"	08/10/01	"	
Lead	3.92	0.500	"	"	"	"	"	"	
Selenium	0.678	0.500	"	"	"	"	08/09/01	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA06SL (P1H0140-02) Soil									
						Sampled: 07/29/01 Received: 08/06/01			
Arsenic	2.97	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/09/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	7.39	0.500	"	"	"	"	"	"	
Lead	3.85	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA15SL (P1H0140-03) Soil									
						Sampled: 07/29/01 Received: 08/06/01			
Arsenic	3.00	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/10/01	1081156	
Cadmium	ND	0.500	"	"	"	"	08/09/01	"	
Chromium	10.5	0.500	"	"	"	"	"	"	
Lead	3.48	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA10SL (P1H0140-04) Soil									
						Sampled: 07/29/01 Received: 08/06/01			
Arsenic	3.80	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/10/01	1081156	
Cadmium	ND	0.500	"	"	"	"	08/09/01	"	
Chromium	11.3	0.500	"	"	"	"	"	"	
Lead	3.45	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	

North Creek Analytical - Portland

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 Jerry Orlando, Project Manager/QA

North Creek Analytical, Inc.
Environmental Laboratory Network

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Bristol Environmental & Engineering
 2000 W. International Airport Rd. #C-1
 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson


Amended Report
 Issued: 11/07/01 13:03

Total Metals per EPA 6000/7000 Series Methods
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA41SL (P1H0140-05) Soil									
						Sampled: 07/29/01 Received: 08/06/01			
Arsenic	5.43	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	18.1	0.500	"	"	"	"	"	"	
Lead	4.98	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA24SL (P1H0140-06) Soil									
						Sampled: 07/29/01 Received: 08/06/01			
Arsenic	4.14	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	21.0	0.500	"	"	"	"	"	"	
Lead	6.67	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA02SL (P1H0140-07) Soil									
						Sampled: 07/31/01 Received: 08/06/01			
Arsenic	4.65	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	19.5	0.500	"	"	"	"	"	"	
Lead	6.56	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA07SL (P1H0140-08) Soil									
						Sampled: 07/31/01 Received: 08/06/01			
Arsenic	7.06	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	15.6	0.500	"	"	"	"	"	"	
Lead	5.42	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	

North Creek Analytical - Portland

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 Jerry Orlando, Project Manager/QA

North Creek Analytical, Inc.
Environmental Laboratory Network

Page 4 of 25

Bristol Environmental & Engineering
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 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson


Amended Report
 Issued: 11/07/01 13:03

Total Metals per EPA 6000/7000 Series Methods
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA16SL (PIH0140-09) Soil						Sampled: 07/31/01 Received: 08/06/01			
Arsenic	3.79	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	13.8	0.500	"	"	"	"	"	"	
Lead	4.78	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA18SL (PIH0140-10) Soil						Sampled: 07/31/01 Received: 08/06/01			
Arsenic	4.52	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	12.7	0.500	"	"	"	"	"	"	
Lead	5.09	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA19SL (PIH0140-11) Soil						Sampled: 07/31/01 Received: 08/06/01			
Arsenic	5.38	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	14.0	0.500	"	"	"	"	"	"	
Lead	4.98	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA08SL (PIH0140-12) Soil						Sampled: 07/31/01 Received: 08/06/01			
Arsenic	3.46	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/10/01	1081156	
Cadmium	ND	0.500	"	"	"	"	08/08/01	"	
Chromium	13.0	0.500	"	"	"	"	08/08/01	"	
Lead	4.78	0.500	"	"	"	"	08/10/01	"	
Selenium	ND	0.500	"	"	"	"	08/08/01	"	
Silver	ND	0.500	"	"	"	"	"	"	

North Creek Analytical - Portland

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North Creek Analytical, Inc.
Environmental Laboratory Network

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Bristol Environmental & Engineering
 2000 W. International Airport Rd. #C-1
 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson


Amended Report
 Issued: 11/07/01 13:03

Total Metals per EPA 6000/7000 Series Methods
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA11SL (P1H0140-13) Soil						Sampled: 07/31/01 Received: 08/06/01			
Arsenic	4.60	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	11.7	0.500	"	"	"	"	"	"	
Lead	4.48	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA12SL (P1H0140-14) Soil						Sampled: 07/31/01 Received: 08/06/01			
Arsenic	3.96	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	14.3	0.500	"	"	"	"	"	"	
Lead	4.33	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA17SL (P1H0140-15) Soil						Sampled: 07/31/01 Received: 08/06/01			
Arsenic	4.27	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	12.4	0.500	"	"	"	"	"	"	
Lead	5.10	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA28SL (P1H0140-16) Soil						Sampled: 07/31/01 Received: 08/06/01			
Arsenic	3.33	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	11.9	0.500	"	"	"	"	"	"	
Lead	4.82	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	

North Creek Analytical - Portland

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Bristol Environmental & Engineering
 2000 W. International Airport Rd. #C-1
 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson


Amended Report
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Total Metals per EPA 6000/7000 Series Methods
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA23SL (PIH0140-17) Soil									
						Sampled: 08/01/01 Received: 08/06/01			
Arsenic	4.32	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	13.0	0.500	"	"	"	"	"	"	
Lead	5.31	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA25SL (PIH0140-18) Soil									
						Sampled: 08/01/01 Received: 08/06/01			
Arsenic	3.44	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	11.7	0.500	"	"	"	"	"	"	
Lead	4.87	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA33SL (PIH0140-19) Soil									
						Sampled: 08/01/01 Received: 08/06/01			
Arsenic	4.10	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	12.8	0.500	"	"	"	"	"	"	
Lead	5.41	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA34SL (PIH0140-20) Soil									
						Sampled: 08/01/01 Received: 08/06/01			
Arsenic	4.49	0.500	mg/kg dry	1	EPA 6020	08/08/01	08/08/01	1081156	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	8.76	0.500	"	"	"	"	"	"	
Lead	4.77	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	

North Creek Analytical - Portland

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Environmental Laboratory Network

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Bristol Environmental & Engineering
 2000 W. International Airport Rd. #C-1
 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson

Amended Report
 Issued: 11/07/01 13:03

Total Metals per EPA 6000/7000 Series Methods

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA13SL (PIH0140-21) Soil									
						Sampled: 08/01/01	Received: 08/06/01		
Arsenic	3.36	0.500	mg/kg dry	1	EPA 6020	08/07/01	08/08/01	1081115	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	14.2	0.500	"	"	"	"	"	"	
Lead	4.48	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA14SL (PIH0140-22) Soil									
						Sampled: 08/01/01	Received: 08/06/01		
Arsenic	1.78	0.500	mg/kg dry	1	EPA 6020	08/07/01	08/08/01	1081115	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	5.85	0.500	"	"	"	"	"	"	
Lead	2.06	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA20SL (PIH0140-23) Soil									
						Sampled: 08/01/01	Received: 08/06/01		
Arsenic	3.36	0.500	mg/kg dry	1	EPA 6020	08/07/01	08/08/01	1081115	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	9.84	0.500	"	"	"	"	"	"	
Lead	3.42	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA29SL (PIH0140-24) Soil									
						Sampled: 08/02/01	Received: 08/06/01		
Arsenic	2.86	0.500	mg/kg dry	1	EPA 6020	08/07/01	08/08/01	1081115	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	11.9	0.500	"	"	"	"	"	"	
Lead	3.73	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	

North Creek Analytical - Portland

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 425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
 2000 W. International Airport Rd. #C-1
 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson

Amended Report
 Issued: 11/07/01 13:03

Total Metals per EPA 6000/7000 Series Methods
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA30SL (PIH0140-25) Soil						Sampled: 08/02/01 Received: 08/06/01			
Arsenic	3.23	0.500	mg/kg dry	1	EPA 6020	08/07/01	08/08/01	1081115	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	9.39	0.500	"	"	"	"	"	"	
Lead	3.76	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA42SL (PIH0140-26) Soil						Sampled: 08/02/01 Received: 08/06/01			
Arsenic	5.63	0.500	mg/kg dry	1	EPA 6020	08/07/01	08/08/01	1081115	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	15.9	0.500	"	"	"	"	"	"	
Lead	4.24	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA26SL (PIH0140-27) Soil						Sampled: 08/02/01 Received: 08/06/01			
Arsenic	4.06	0.500	mg/kg dry	1	EPA 6020	08/07/01	08/08/01	1081115	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	10.6	0.500	"	"	"	"	"	"	
Lead	4.00	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA36SL (PIH0140-28) Soil						Sampled: 08/02/01 Received: 08/06/01			
Arsenic	1.39	0.500	mg/kg dry	1	EPA 6020	08/07/01	08/08/01	1081115	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	4.21	0.500	"	"	"	"	"	"	
Lead	1.47	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	

North Creek Analytical - Portland

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Jerry Orlando, Project Manager/QA

North Creek Analytical, Inc.
Environmental Laboratory Network

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Bristol Environmental & Engineering
 2000 W. International Airport Rd. #C-1
 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson

Amended Report
 Issued: 11/07/01 13:03

Total Metals per EPA 6000/7000 Series Methods
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA31SL (P1H0140-29) Soil						Sampled: 08/02/01 Received: 08/06/01			
Arsenic	3.64	0.500	mg/kg dry	1	EPA 6020	08/07/01	08/08/01	1081115	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	13.9	0.500	"	"	"	"	"	"	
Lead	4.22	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA35SL (P1H0140-30) Soil						Sampled: 08/02/01 Received: 08/06/01			
Arsenic	3.37	0.500	mg/kg dry	1	EPA 6020	08/07/01	08/08/01	1081115	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	13.6	0.500	"	"	"	"	"	"	
Lead	4.39	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	
01AMLA03SL (P1H0140-31) Soil						Sampled: 08/01/01 Received: 08/06/01			
Arsenic	4.88	0.500	mg/kg dry	1	EPA 6020	08/07/01	08/08/01	1081115	
Cadmium	ND	0.500	"	"	"	"	"	"	
Chromium	12.1	0.500	"	"	"	"	"	"	
Lead	4.57	0.500	"	"	"	"	"	"	
Selenium	ND	0.500	"	"	"	"	"	"	
Silver	ND	0.500	"	"	"	"	"	"	

North Creek Analytical - Portland

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Jerry Orlando, Project Manager/QA

North Creek Analytical, Inc.
Environmental Laboratory Network

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Bristol Environmental & Engineering
2000 W. International Airport Rd. #C-1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 210901, PO# 21090
Project Manager: Steve Johnson

Amended Report
Issued: 11/07/01 13:03

Mercury by EPA Method 1631
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA01SL (P1H0140-01) Soil						Sampled: 07/29/01 Received: 08/06/01			
Mercury	0.0179	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA06SL (P1H0140-02) Soil						Sampled: 07/29/01 Received: 08/06/01			
Mercury	0.0182	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA15SL (P1H0140-03) Soil						Sampled: 07/29/01 Received: 08/06/01			
Mercury	0.0143	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA10SL (P1H0140-04) Soil						Sampled: 07/29/01 Received: 08/06/01			
Mercury	0.0172	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA41SL (P1H0140-05) Soil						Sampled: 07/29/01 Received: 08/06/01			
Mercury	0.0132	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA24SL (P1H0140-06) Soil						Sampled: 07/29/01 Received: 08/06/01			
Mercury	0.0196	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA02SL (P1H0140-07) Soil						Sampled: 07/31/01 Received: 08/06/01			
Mercury	0.0188	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA07SL (P1H0140-08) Soil						Sampled: 07/31/01 Received: 08/06/01			
Mercury	0.0138	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA16SL (P1H0140-09) Soil						Sampled: 07/31/01 Received: 08/06/01			
Mercury	0.0114	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	

North Creek Analytical - Portland

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Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97006-7132
 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588

Bristol Environmental & Engineering
 2000 W. International Airport Rd. #C-1
 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson


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Mercury by EPA Method 1631 North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA18SL (P1H0140-10) Soil						Sampled: 07/31/01 Received: 08/06/01			
Mercury	0.0150	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA19SL (P1H0140-11) Soil						Sampled: 07/31/01 Received: 08/06/01			
Mercury	0.0111	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA08SL (P1H0140-12) Soil						Sampled: 07/31/01 Received: 08/06/01			
Mercury	0.0177	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA11SL (P1H0140-13) Soil						Sampled: 07/31/01 Received: 08/06/01			
Mercury	0.0154	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA12SL (P1H0140-14) Soil						Sampled: 07/31/01 Received: 08/06/01			
Mercury	0.0163	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA17SL (P1H0140-15) Soil						Sampled: 07/31/01 Received: 08/06/01			
Mercury	0.0174	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081080	
01AMLA28SL (P1H0140-16) Soil						Sampled: 07/31/01 Received: 08/06/01			
Mercury	0.0189	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	
01AMLA23SL (P1H0140-17) Soil						Sampled: 08/01/01 Received: 08/06/01			
Mercury	0.0222	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	
01AMLA25SL (P1H0140-18) Soil						Sampled: 08/01/01 Received: 08/06/01			
Mercury	0.0194	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	

North Creek Analytical - Portland

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Bristol Environmental & Engineering
2000 W. International Airport Rd. #C-1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 210901, PO# 21090
Project Manager: Steve Johnson

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Issued: 11/07/01 13:03

Mercury by EPA Method 1631
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA33SL (P1H0140-19) Soil						Sampled: 08/01/01 Received: 08/06/01			
Mercury	0.0213	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	
01AMLA34SL (P1H0140-20) Soil						Sampled: 08/01/01 Received: 08/06/01			
Mercury	0.0137	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	
01AMLA13SL (P1H0140-21) Soil						Sampled: 08/01/01 Received: 08/06/01			
Mercury	0.0179	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	
01AMLA14SL (P1H0140-22) Soil						Sampled: 08/01/01 Received: 08/06/01			
Mercury	0.0204	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	
01AMLA20SL (P1H0140-23) Soil						Sampled: 08/01/01 Received: 08/06/01			
Mercury	0.0161	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	
01AMLA29SL (P1H0140-24) Soil						Sampled: 08/02/01 Received: 08/06/01			
Mercury	0.0151	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	
01AMLA30SL (P1H0140-25) Soil						Sampled: 08/02/01 Received: 08/06/01			
Mercury	0.0147	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	
01AMLA42SL (P1H0140-26) Soil						Sampled: 08/02/01 Received: 08/06/01			
Mercury	0.0116	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	
01AMLA26SL (P1H0140-27) Soil						Sampled: 08/02/01 Received: 08/06/01			
Mercury	0.0145	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	

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Bristol Environmental & Engineering
 2000 W. International Airport Rd. #C-1
 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson


Amended Report
 Issued: 11/07/01 13:03

Mercury by EPA Method 1631
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA36SL (P1H0140-28) Soil						Sampled: 08/02/01	Received: 08/06/01		
Mercury	0.0142	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	
01AMLA31SL (P1H0140-29) Soil						Sampled: 08/02/01	Received: 08/06/01		
Mercury	0.0136	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	
01AMLA35SL (P1H0140-30) Soil						Sampled: 08/02/01	Received: 08/06/01		
Mercury	0.0227	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	
01AMLA03SL (P1H0140-31) Soil						Sampled: 08/01/01	Received: 08/06/01		
Mercury	0.0134	0.00100	mg/kg dry	1	EPA 1631	08/07/01	08/10/01	1081081	

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Bristol Environmental & Engineering
2000 W. International Airport Rd. #C-1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 210901, PO# 21090
Project Manager: Steve Johnson


Amended Report
Issued: 11/07/01 13:03

Percent Dry Weight (Solids) per Standard Methods
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA01SL (P1H0140-01) Soil									
Sampled: 07/29/01 Received: 08/06/01									
% Solids	73.0	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA06SL (P1H0140-02) Soil									
Sampled: 07/29/01 Received: 08/06/01									
% Solids	73.3	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA15SL (P1H0140-03) Soil									
Sampled: 07/29/01 Received: 08/06/01									
% Solids	73.2	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA10SL (P1H0140-04) Soil									
Sampled: 07/29/01 Received: 08/06/01									
% Solids	75.4	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA41SL (P1H0140-05) Soil									
Sampled: 07/29/01 Received: 08/06/01									
% Solids	80.5	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA24SL (P1H0140-06) Soil									
Sampled: 07/29/01 Received: 08/06/01									
% Solids	75.0	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA02SL (P1H0140-07) Soil									
Sampled: 07/31/01 Received: 08/06/01									
% Solids	77.6	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA07SL (P1H0140-08) Soil									
Sampled: 07/31/01 Received: 08/06/01									
% Solids	74.0	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA16SL (P1H0140-09) Soil									
Sampled: 07/31/01 Received: 08/06/01									
% Solids	76.2	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	

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Bristol Environmental & Engineering
2000 W. International Airport Rd. #C-1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 210901, PO# 21090
Project Manager: Steve Johnson

Amended Report
Issued: 11/07/01 13:03

Percent Dry Weight (Solids) per Standard Methods
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA18SL (PIH0140-10) Soil						Sampled: 07/31/01 Received: 08/06/01			
% Solids	75.1	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA19SL (PIH0140-11) Soil						Sampled: 07/31/01 Received: 08/06/01			
% Solids	75.9	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA08SL (PIH0140-12) Soil						Sampled: 07/31/01 Received: 08/06/01			
% Solids	74.7	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA11SL (PIH0140-13) Soil						Sampled: 07/31/01 Received: 08/06/01			
% Solids	75.4	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA12SL (PIH0140-14) Soil						Sampled: 07/31/01 Received: 08/06/01			
% Solids	74.1	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA17SL (PIH0140-15) Soil						Sampled: 07/31/01 Received: 08/06/01			
% Solids	75.1	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA28SL (PIH0140-16) Soil						Sampled: 07/31/01 Received: 08/06/01			
% Solids	76.1	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA23SL (PIH0140-17) Soil						Sampled: 08/01/01 Received: 08/06/01			
% Solids	72.8	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA25SL (PIH0140-18) Soil						Sampled: 08/01/01 Received: 08/06/01			
% Solids	75.3	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	

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Bristol Environmental & Engineering
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Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 210901, PO# 21090
Project Manager: Steve Johnson

Amended Report
Issued: 11/07/01 13:03

Percent Dry Weight (Solids) per Standard Methods
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA33SL (P1H0140-19) Soil						Sampled: 08/01/01 Received: 08/06/01			
% Solids	72.9	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA34SL (P1H0140-20) Soil						Sampled: 08/01/01 Received: 08/06/01			
% Solids	76.8	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA13SL (P1H0140-21) Soil						Sampled: 08/01/01 Received: 08/06/01			
% Solids	76.0	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA14SL (P1H0140-22) Soil						Sampled: 08/01/01 Received: 08/06/01			
% Solids	74.0	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA20SL (P1H0140-23) Soil						Sampled: 08/01/01 Received: 08/06/01			
% Solids	77.0	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA29SL (P1H0140-24) Soil						Sampled: 08/02/01 Received: 08/06/01			
% Solids	76.0	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA30SL (P1H0140-25) Soil						Sampled: 08/02/01 Received: 08/06/01			
% Solids	74.3	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA42SL (P1H0140-26) Soil						Sampled: 08/02/01 Received: 08/06/01			
% Solids	85.6	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA26SL (P1H0140-27) Soil						Sampled: 08/02/01 Received: 08/06/01			
% Solids	74.4	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	

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Bristol Environmental & Engineering
 2000 W. International Airport Rd. #C-1
 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson

Amended Report
 Issued: 11/07/01 13:03

Percent Dry Weight (Solids) per Standard Methods
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMLA36SL (P1H0140-28) Soil						Sampled: 08/02/01 Received: 08/06/01			
% Solids	74.9	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA31SL (P1H0140-29) Soil						Sampled: 08/02/01 Received: 08/06/01			
% Solids	76.3	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA35SL (P1H0140-30) Soil						Sampled: 08/02/01 Received: 08/06/01			
% Solids	74.1	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	
01AMLA03SL (P1H0140-31) Soil						Sampled: 08/01/01 Received: 08/06/01			
% Solids	77.1	1.00	% by Weight	1	NCA SOP	08/08/01	08/09/01	1081126	

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Bristol Environmental & Engineering
 2000 W. International Airport Rd. #C-1
 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson

Amended Report
 Issued: 11/07/01 13:03

Total Metals per EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1081115 - EPA 3050

Blank (1081115-BLK1)

Prepared: 08/07/01 Analyzed: 08/08/01

Arsenic	ND	0.500	mg/kg
Cadmium	ND	0.500	"
Chromium	ND	0.500	"
Lead	ND	0.500	"
Selenium	ND	0.500	"
Silver	ND	0.500	"

LCS (1081115-BS1)

Prepared: 08/07/01 Analyzed: 08/08/01

Arsenic	9.65	0.500	mg/kg	10.0	96.5	80-120
Cadmium	10.0	0.500	"	10.0	100	80-120
Chromium	9.56	0.500	"	10.0	95.6	80-120
Lead	9.55	0.500	"	10.0	95.5	80-120
Selenium	9.69	0.500	"	10.0	96.9	80-120
Silver	4.58	0.500	"	5.00	91.6	80-120

Duplicate (1081115-DUP1)

Source: PIH0140-21

Prepared: 08/07/01 Analyzed: 08/08/01

Arsenic	2.94	0.500	mg/kg dry	3.36	13.3	40
Cadmium	ND	0.500	"	ND		40
Chromium	8.81	0.500	"	14.2	46.8	40
Lead	4.18	0.500	"	4.48	6.93	40
Selenium	ND	0.500	"	ND		40
Silver	ND	0.500	"	ND	39.9	40

Q-14

Matrix Spike (1081115-MS1)


Source: PIH0140-21

Prepared: 08/07/01 Analyzed: 08/08/01

Arsenic	15.8	0.500	mg/kg dry	13.2	3.36	94.2	75-125
Cadmium	13.2	0.500	"	13.2	ND	100	75-125
Chromium	24.2	0.500	"	13.2	14.2	75.8	75-125
Lead	16.6	0.500	"	13.2	4.48	91.8	75-125
Selenium	12.9	0.500	"	13.2	ND	97.7	75-125
Silver	6.24	0.500	"	6.58	ND	93.9	75-125

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 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson

Amended Report
 Issued: 11/07/01 13:03

Total Metals per EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1081115 - EPA 3050

Matrix Spike (1081115-MS2)

Source: P1H0140-29

Prepared: 08/07/01

Analyzed: 08/08/01

Arsenic	15.6	0.500	mg/kg dry	13.1	3.64	91.3	75-125			
Cadmium	12.7	0.500	"	13.1	ND	96.9	75-125			
Chromium	26.6	0.500	"	13.1	13.9	96.9	75-125			
Lead	16.4	0.500	"	13.1	4.22	93.0	75-125			
Selenium	11.9	0.500	"	13.1	ND	89.1	75-125			
Silver	5.98	0.500	"	6.55	ND	90.7	75-125			

Batch 1081156 - EPA 3050

Blank (1081156-BLK1)

Prepared: 08/08/01 Analyzed: 08/09/01

Arsenic	ND	0.500	mg/kg							
Cadmium	ND	0.500	"							
Chromium	ND	0.500	"							
Lead	ND	0.500	"							
Selenium	ND	0.500	"							
Silver	ND	0.500	"							

LCS (1081156-BS1)

Prepared: 08/08/01 Analyzed: 08/09/01

Arsenic	9.76	0.500	mg/kg	10.0		97.6	80-120			
Cadmium	9.23	0.500	"	10.0		92.3	80-120			
Chromium	9.76	0.500	"	10.0		97.6	80-120			
Lead	9.54	0.500	"	10.0		95.4	80-120			
Selenium	9.88	0.500	"	10.0		98.8	80-120			
Silver	4.26	0.500	"	5.00		85.2	80-120			

Duplicate (1081156-DUP1)

Source: P1H0140-01

Prepared: 08/08/01

Analyzed: 08/09/01

Arsenic	3.22	0.500	mg/kg dry		2.92			9.77	40	
Cadmium	ND	0.500	"		ND				40	
Chromium	11.4	0.500	"		11.1			2.67	40	
Lead	4.29	0.500	"		3.92			9.01	40	
Selenium	0.507	0.500	"		0.678			28.9	40	
Silver	ND	0.500	"		ND			34.1	40	

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 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson

Amended Report
 Issued: 11/07/01 13:03

Total Metals per EPA 6000/7000 Series Methods - Quality Control

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1081156 - EPA 3050

Matrix Spike (1081156-MS1)

Source: P1H0140-01

Prepared: 08/08/01

Analyzed: 08/09/01

Arsenic	14.3	0.500	mg/kg dry	13.7	2.92	83.1	75-125			
Cadmium	11.1	0.500	"	13.7	ND	81.0	75-125			
Chromium	24.7	0.500	"	13.7	11.1	99.3	75-125			
Lead	16.7	0.500	"	13.7	3.92	93.3	75-125			
Selenium	12.6	0.500	"	13.7	0.678	87.0	75-125			
Silver	5.26	0.500	"	6.85	ND	75.1	75-125			

Matrix Spike (1081156-MS2)


Source: P1H0140-12

Prepared & Analyzed: 08/08/01

Arsenic	19.1	0.500	mg/kg dry	13.4	3.46	117	75-125			
Cadmium	15.3	0.500	"	13.4	ND	114	75-125			
Chromium	27.9	0.500	"	13.4	13.0	111	75-125			
Lead	18.7	0.500	"	13.4	4.78	104	75-125			
Selenium	14.7	0.500	"	13.4	ND	108	75-125			
Silver	7.33	0.500	"	6.69	ND	109	75-125			

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Bristol Environmental & Engineering
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 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
 Project Manager: Steve Johnson

Amended Report
 Issued: 11/07/01 13:03

Mercury by EPA Method 1631 - Quality Control

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1081080 - Metals

Blank (1081080-BLK1)

Prepared: 08/07/01 Analyzed: 08/10/01

Mercury ND 0.00100 mg/kg

LCS (1081080-BS1)

Prepared: 08/07/01 Analyzed: 08/10/01

Mercury 0.00950 0.00100 mg/kg 0.0100 95.0 85-115

Duplicate (1081080-DUP1)

Source: P1H0140-05

Prepared: 08/07/01 Analyzed: 08/10/01

Mercury 0.0144 0.00100 mg/kg dry 0.0132 8.70 20

Matrix Spike (1081080-MS1)

Source: P1H0140-05

Prepared: 08/07/01 Analyzed: 08/10/01

Mercury 0.0178 0.00100 mg/kg dry 0.0124 0.0132 37.1 75-125 Q-02

Matrix Spike (1081080-MS2)

Source: P1H0140-12

Prepared: 08/07/01 Analyzed: 08/10/01

Mercury 0.0174 0.00100 mg/kg dry 0.0134 0.0177 NR 75-125 Q-02

Batch 1081081 - Metals

Blank (1081081-BLK1)

Prepared: 08/07/01 Analyzed: 08/10/01

Mercury ND 0.00100 mg/kg

LCS (1081081-BS1)

Prepared: 08/07/01 Analyzed: 08/10/01

Mercury 0.00960 0.00100 mg/kg 0.0100 96.0 85-115

Duplicate (1081081-DUP1)

Source: P1H0140-16

Prepared: 08/07/01 Analyzed: 08/10/01

Mercury 0.0197 0.00100 mg/kg dry 0.0189 4.15 20

Matrix Spike (1081081-MS1)


Source: P1H0140-16

Prepared: 08/07/01 Analyzed: 08/10/01

Mercury 0.0162 0.00100 mg/kg dry 0.0131 0.0189 NR 75-125 Q-02

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 Environmental Laboratory Network

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Bristol Environmental & Engineering 2000 W. International Airport Rd. #C-1 Anchorage, AK 99502-1116	Project: Amchitka Project Number: 210901, PO# 21090 Project Manager: Steve Johnson	Amended Report Issued: 11/07/01 13:03
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Mercury by EPA Method 1631 - Quality Control

North Creek Analytical - Portland


Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1081081 - Metals

Matrix Spike (1081081-MS2)	Source: P1H0140-23		Prepared: 08/07/01		Analyzed: 08/10/01					
Mercury	0.0159	0.00100	mg/kg dry	0.0130	0.0161	NR	75-125			Q-02

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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


 Jerry Orlando, Project Manager/QA

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Environmental Laboratory Network

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Bristol Environmental & Engineering
 2000 W. International Airport Rd. #C-1
 Anchorage, AK 99502-1116

Project: Amchitka
 Project Number: 210901, PO# 21090
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Percent Dry Weight (Solids) per Standard Methods - Quality Control

North Creek Analytical - Portland


Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1081126 - Dry Weight

Duplicate (1081126-DUP1)		Source: P1H0139-01		Prepared: 08/08/01 Analyzed: 08/09/01						
% Solids	92.4	1.00 % by Weight			92.0			0.434	20	
Duplicate (1081126-DUP2)		Source: P1H0139-02		Prepared: 08/08/01 Analyzed: 08/09/01						
% Solids	92.4	1.00 % by Weight			91.8			0.651	20	
Duplicate (1081126-DUP3)		Source: P1H0139-05		Prepared: 08/08/01 Analyzed: 08/09/01						
% Solids	93.1	1.00 % by Weight			93.9			0.856	20	
Duplicate (1081126-DUP4)		Source: P1H0139-04		Prepared: 08/08/01 Analyzed: 08/09/01						
% Solids	95.0	1.00 % by Weight			95.3			0.315	20	

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Notes and Definitions

- Q-02 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- Q-14 The Spike Recovery and/or RPD is outside of control limits due to a non-homogeneous sample matrix.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.
- wet Sample results reported on a wet weight basis (as received)
- RPD Relative Percent Difference